

Sema4.ai

Enterprise AI Agents

Reimagine how business works.

Who is Sema4.ai?

We enable your enterprise to build, run, and manage intelligent **AI agents** that transform how work is done.

Sema4.ai makes it easier to harness the power of AI using agents that maximize efficiency and productivity in every corner of your business.

Our agents take on the toil and heavy lifting of nonspecialized repetitive tasks and automate critical processes that were previously impossible to automate. With Sema4.ai, your teams can train AI agents that are built on your business processes, understand your data and applications, and perform the work you assign them. Sema4.ai is the first platform designed to deliver secure, accurate, fast, and extensible (SAFE) agents at scale.




A significant **64%**
of businesses believe that
artificial intelligence will
help increase their overall
productivity.

- Forbes Advisor survey

What are AI agents?

AI agents are applications that use AI to work like humans do. They are goal-oriented and capable of performing complex knowledge work, going far beyond simple tasks. Unlike co-pilots that assist human users within a single application, Sema4.ai's AI Agents are designed for agent-driven workflows and can autonomously execute entire end-to-end processes across different systems to achieve a specific outcome.

Agents can:

-  **Reason**
Agents use runbooks to handle complex tasks one step at a time, making intelligent adjustments as they go.
-  **Collaborate**
Using natural language, agents communicate with everything around them, including people and other agents.
-  **Act**
Using the information they gather, agents can send emails, update systems, and complete other critical tasks.



Our recent collaboration with Sema4.ai led to the development of an AI agent that has significantly streamlined remittance matching for thousands of customer payments.”

– Paul Ferguson, VP of Global Business Services, Emerson

What problems does Sema4.ai help you solve?

Resource-intensive tasks that were impossible to automate

Tedious, undifferentiated work that's completed manually is often performed poorly, eating up valuable time and negatively impacting your business. Sema4.ai Agents complete these tasks quickly and correctly every time, improving efficiency and business performance.

LoB owners lack the technology to automate their processes

Sema4.ai transforms LoB owners into AI architects by giving them all the tools they need to easily build and modify AI agents that boost efficiency.

Siloed data and solutions slow down collaboration

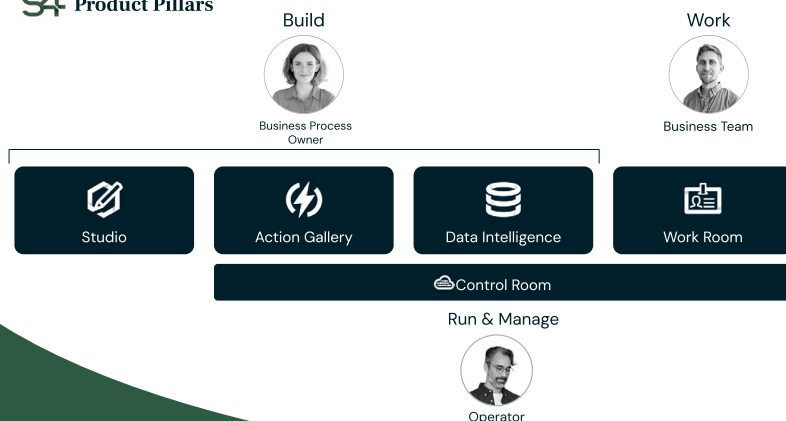
Sema4.ai lets business users and developers easily combine forces to automate processes that integrate with enterprise systems. Developers use our SDK to create custom actions specific to the business. LoB owners create AI agents using custom actions and pre-built actions from a shared gallery. Sema4.ai Agents build instant, high-speed bridges between disparate business apps and data sources.

Lack of centralized agent management drives up operational cost and risk As your organization scales to a multitude of AI agents, managing them becomes crucial. Sema4.ai's Control Room lets you centrally manage and secure all agents so you can focus on innovation rather than administration.

The Sema4.ai Enterprise AI Agent Platform

Sema4.ai's platform is designed to support the entire lifecycle of AI agent development, deployment, and management. The portfolio is comprised of 5 core components:

Product Pillars



Who is Sema4.ai for?



LoB process owners

Nobody else understands the nuances of your business like they do. We turn them into process architects with the power to create AI agents that flawlessly execute fine-tuned processes. They can define the desired outcomes and processes using natural language, and agents will autonomously execute the necessary steps across systems.



AI builders (Python developers)

Python developers can use powerful Visual Studio Code extensions to build advanced agent actions. Our open-source automation-as-code actions and data connectors allow full extensibility and control.



AI operators

Centralized management, security, and data privacy make it faster and easier to empower business users.



Independent Software Vendors (ISVs)

Sema4.ai is an ideal platform for ISVs to embed AI agent capabilities into their own application stacks and provide solutions to their customers with zero deployment friction.

60-70%

of the work hours in today's global economy could theoretically be automated by applying a wide variety of existing technology capabilities, including generative AI, but doing so will require a lot in terms of solutions development and enterprise adoption.

– McKinsey & Company

How do you build an AI agent?

To understand how you build an agent, let's start with the building blocks. An AI agent is essentially a collection of actions that are used to interact with enterprise systems and applications. Those actions are based on runbooks that explain in simple terms how the agent should do its work to successfully complete a process. All the actions and agents are built in the Sema4.ai Studio. Here's how it works:

In the Studio

1 LoB process owners author the runbooks

No technical skills required – they simply use natural-language English to describe their processes in detail. This process is made even faster and easier with **Sai**, our AI-powered assistant within Sema4.ai Studio, which guides business analysts through intent discovery, runbook creation, action generation, and deployment without requiring coding expertise.

2 AI developers build the actions

Using the Sema4.ai SDK and full-featured developer IDE, builders build, test, and validate actions and publish them to an action gallery. The platform's Action framework and robust SDK provide extensibility, allowing Sema4.ai Agents to seamlessly connect to and interact with hundreds of external systems and data sources.

3 Manage your AI agents

By using pre-built templates, or starting from scratch, architects can combine actions from the gallery to begin building agents in just minutes.

“Koch Ag & Energy previously managed hundreds of complex invoices each month. Now, with Sema4.ai automating much of this work, the team can prioritize resolving critical discrepancies while still maintaining oversight.”

– **Matt Hoag**, CTO, Koch, Inc.

What makes a good AI agent use case?

If you choose the right projects, your AI agents can immediately improve efficiency, increase customer satisfaction, boost innovation, spark growth, and significantly cut costs. A good AI use case checks all these boxes:

✓ Tangible business value

The agent can complete most of the work, while employees are required largely for collaboration and oversight.

✓ Business-critical and reusable

The use case should be worthy of strategic oversight. To increase cost takeout, the process should contain patterns that are repeatable in other use cases.

✓ Clearly defined end-to-end process

The agent will execute a complete process as defined by business intents and outcomes. Use cases with standard operating procedures (SOPs) or business process documents make great candidates to build a Sema4.ai Runbook.

✓ Self-contained process

The business user should own and author the entire process and any changes. Everything else is the developer's domain.

✓ Previously difficult to automate

Agents can reason through complex processes and handle ambiguity that broke legacy RPA tools or made use cases too expensive or too time consuming to solve with custom code.

✓ Requires data and document understanding

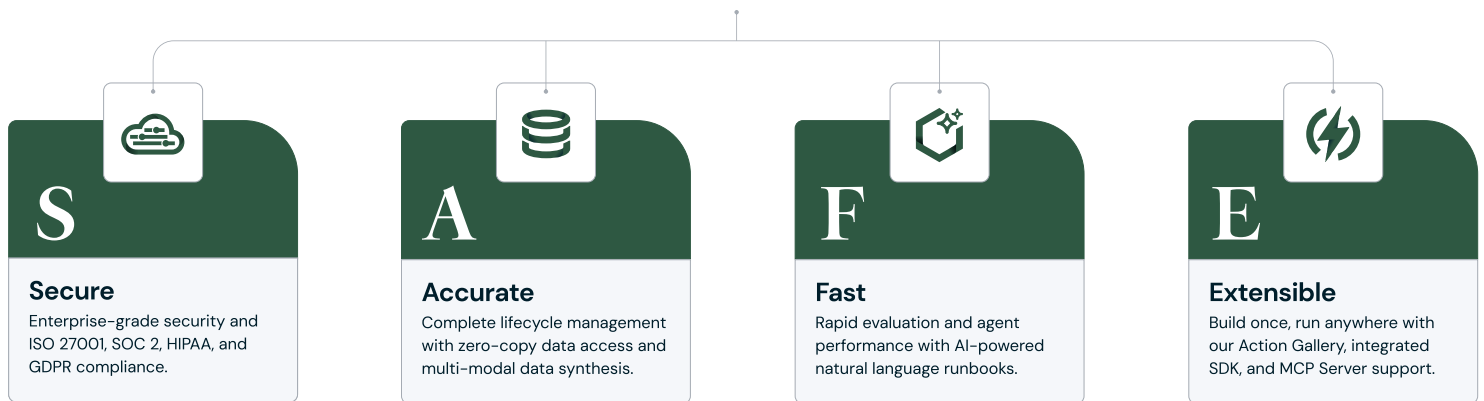
Our Document Intelligence feature can understand data and documents to provide context to the agent as it does its work. Sema4.ai Agents can achieve nearly 100% accuracy in understanding, extracting, and acting on information from complex documents with drastically less training time than previous systems.

✓ Involves more than one app or system

Sema4.ai excels when work crosses systems, APIs, or tools because of our automation-as-code framework.

S. A. F. E.

Enterprise AI Agents



What makes Sema4.ai different?

Our product [↗](#)

Sema4.ai is the first platform that enables business process owners to architect their own AI agents to perform work in the enterprise. We use generative AI to simplify the development of agents and actions, and we make it easy to seamlessly deploy agents into your production environment. Agents built with Sema4.ai use cutting-edge reasoning tools, and our Control Room provides a single unified interface to audit the agent decision-making process and ensure accountable AI. Our platform is designed to handle the messy, unstructured data that powers real-world businesses, ensuring agents are super accurate and providing explainability into their decisions. Built from the ground up to be portable, Sema4.ai lets you choose your preferred deployment model (AWS VPC or Snowflake) and LLMs. It also gives you access to thousands of data sources to provide the greatest flexibility and highest cost control for your agents.

This is achieved through our **SAFE framework**:

- **Secure and Governed** Sema4.ai provides enterprise-grade security (ISO 27001, SOC 2, HIPAA, GDPR) and governance controls, ensuring agents operate within defined rules and securely within your VPC. The Control Room is foundational for secure and governed AI agent deployments, managing agent lifecycle, access controls, monitoring, and compliance.
- **Accurate and Explainable** Sema4.ai Agents deliver highly precise results by accessing and understanding all your enterprise data, from structured sources to complex documents. The platform ensures high accuracy, especially with unstructured and semi-structured documents, and provides transparency into agent reasoning and decision-making through features like the Work Room, which offers visibility into agent actions, building trust and allowing for validation and auditing.

Top use cases for AI agents

We recommend starting with these use cases featured in [Forbes](#), or other common use cases:

- 1 **Invoice processing**
Automate complex invoice reconciliation and free up employees for high-value tasks.
- 2 **Payment reconciliation**
Automatically extract and match receivables data to increase speed and accuracy.
- 3 **Regulatory compliance**
Reduce risk, save time on monitoring and reporting, and ensure your compliance is up to date.
- 4 **Employee onboarding**
Streamline your process, improve new-hire experiences, and reduce HR admin burdens.
- 5 **Supply chain management**
Create supply chains that are more efficient, more responsive, and more resilient than ever before.

- **Fast and Easy** Sema4.ai Studio empowers business users to quickly build, deploy, and manage AI agents using natural language, significantly accelerating time-to-value. Sai, the AI-powered Runbook builder, further streamlines this process.
- **Extensible and Adaptable** Sema4.ai Agents seamlessly connect with your existing enterprise applications and data sources through a comprehensive integration framework, including an Action Gallery for pre-built integrations, a complete SDK for custom integrations, and full support for Model Context Protocol (MCP). This adaptability allows agents to leverage your full data ecosystem and fit into existing workflows, ensuring they can evolve and scale with your business needs.



Sema4.ai Team Edition & Snowflake integration

In addition to our Enterprise Edition, Sema4.ai Team Edition allows you to build, run, and manage AI agents natively in your Snowflake account.

This offers:

- 1 **One-click deployment**
Instantly build, test, and deploy AI-powered data applications into Snowflake.
- 2 **Secure AI agent operations**
Operate within Snowflake's governance framework, leveraging Anthropic Claude via Cortex AI without moving sensitive data outside Snowflake. Data stays secure within your Snowflake security boundary with zero-copy access.
- 3 **Native integration**
Seamless Snowflake integration with Snowpark Container Services and Cortex AI.
- 4 **Data versatility**
Understand enterprise context and work across structured, semi-structured, and unstructured data using Document AI, ensuring accuracy and reliability.

Our people [link](#)

With Sema4.ai, you're not just adopting technology, you're partnering with a team that combines deep enterprise knowledge with cutting-edge AI expertise and a passion for customer success.

Get started with Sema4.ai

- i** Learn more about our company and AI agents at sema4.ai
- 1** Schedule a workshop or demo with sales@sema4.ai
- i** Or, find us in the Snowflake Marketplace. You can get started easily with [Team Edition](#) which runs natively in Snowflake.